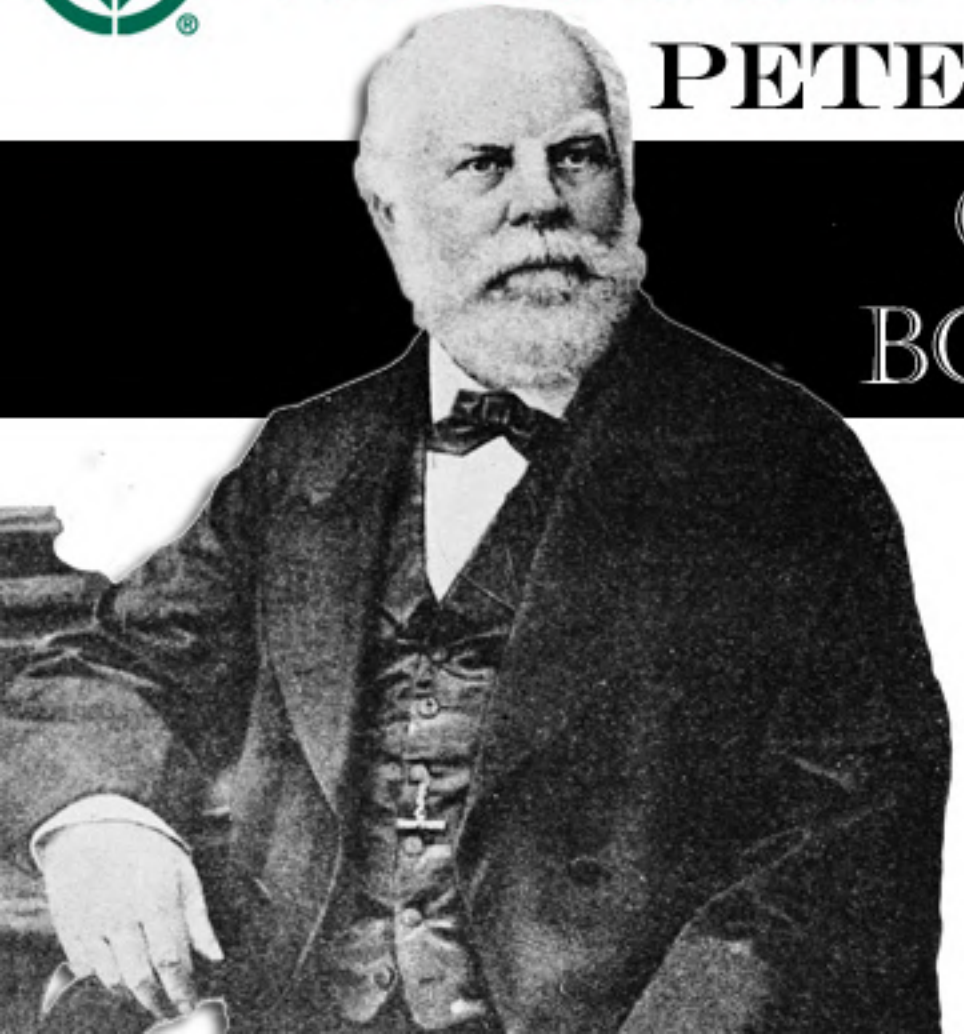
Missouri Botanical Garden

Peter H. Raven Library

George Engelmann Botanical Notebooks



Pagination Note:
Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

"

Hort Bot Birmb July 22 1869

"Opuntia vestita"

in flower and fruit of last year — same that I have seen in fruit at Adelaide

Ovary ovate, 2/12 cent long 1/12 in diam, with abt 50 ~~sepals~~ (each abt 2 mm long, green subulate, fleshy in ~~5/3~~ ~~5/4~~ 8/21 with tomentum in axil and white abundant curly hair and a few straight

pale Spines

flower not open, even in bright sunshine at 2/12 pm (earlier?) closed nearly 2 cent long — sepals and petals bright pure purple; sepals abt 8 (sepals of tube and inner ones petals, also abt 8 obovate cuspidate crimson inside

Nectarian cavity very short, stain orange to purple — Style much longer pale below, light rose above with a head of 5 erect stigmata of brown colour

OVER

0 1 2 3 4 5 6 7 8 9 10
cm
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again examined July 28th

flower in better condition was ~~wide~~ open
according to the Gardners' account, only from
7 - 9 a.m (on a hot day) and only once

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Opuntia aoracantha Lem.

Feb 22 1877

Pic Tupungato, versant est de la Prov. Mendoza, Repubb Argentina

Cordillere 35° Lat Sud

seed empty; shell thin, rather leathery

an empty seed

shape very broad, not prominent ×60

×280

bright red brown bristles on ovary or fruit

×280

×60

bright white hair of areola on ovary or fruit

Some of seed adhering to inside of pericarp another section, Sr. H. pour Dalton

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Leitch & Corlies
WHOLESALE DRUGGISTS
South West Corner Fifth and Market Streets

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" articulations ovoid; some spines 15 centimetres (6 inches) long

Very near O diademata and O. calva;

= O. Aoranantha Lem.
= Cereus ovatus Pfeiff

fide A Weber

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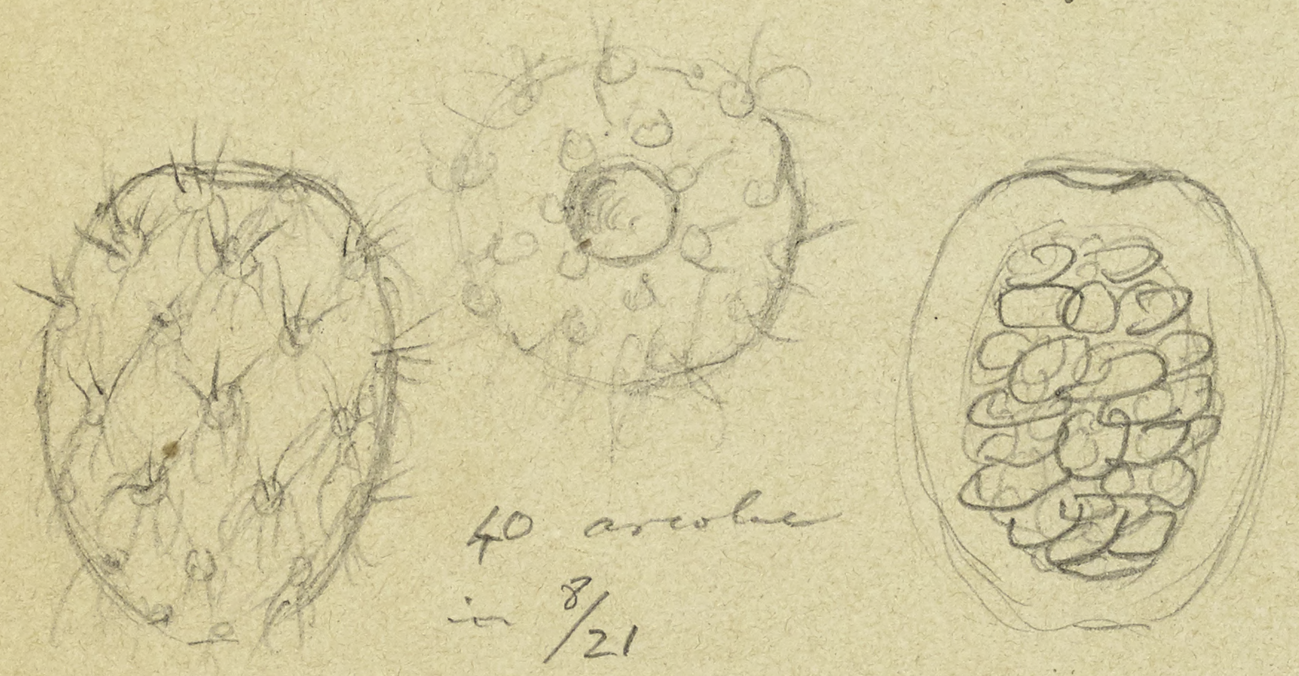
Opuntia vestita (like both, the smaller plant, flowers the larger one)
("Opuntia flavrosa") Host Thuret Antibes
O. involuta Host Paris Febr 25 1869
(Montpellier, March 2d



Berry about 1 inch long 10 lines diameter, subglobose-ovate, with a very small (3 lines diameter) very slightly incurved umbilicus not tuberculated, areolæ numerous (close together (2½ lines apart) large, (about 40 bearing pale yellowish wool, white long woolly hair, several short white spines and a large number of very delicate yellowish pale Bristles. rather shining

Berry purple in and outside

Seeds numerous and large for the size of the berry. (60 seeds together in 3 berries)

very thick, obovate, without rim, only a narrow concentric sure

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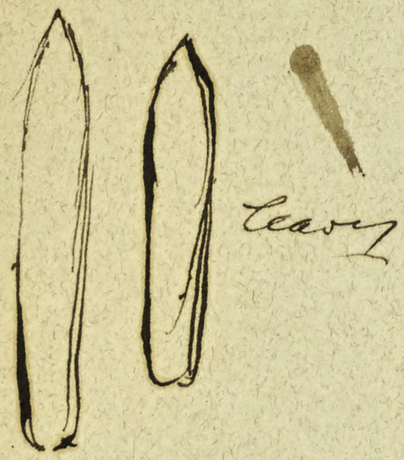
O. sp. Andes, Ecuador & looks much like
O. cylindrica, but has longer leaves, 9–13 cm
long (20–25 mm) 2 l. wide

Hort Bot Berlin June 1869



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HG Kew Sept 1865

Opuntia grata Phil.
Coquimbo & La Serena

Cactus hidrianus mundozo, Gillies
— seems the same — in flower.

It is characterized by the oval bright
yellowish brown bunches of spines
on the upper areolae of the joint —

Many with about 20 areolae
bearing white wool, bristles — & a
few pale spines.

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New Aug 1857

(Op. leptocaulis Torr & Gray ought it not to be Texas ? yes!

Op. 6 "Cactus ovatus" Gillies

spins stouter than in any Opuntia seen by me N. 2 miles by.

spins rather long, like those of my Navitus to which this plat no doubt belongs

(Op. aoracantha Lemaire

Princ Sales Sov. 1857

2383

Wrights Quantica : strigil (K) arcuata (L) ,
tenuispina (M) filipendula (X) , cuphuantha (T) macrantha (I)
phacarantha (S)

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Perezia Jamesiana, Parker.

this may be
P. coulteri Hook
(also Carib.)

pistils like r cherry, round with leaves
(sepals — ½ a row, long
pedicelled —
rays bruised — leaves
lanceolate
spines small recurved
1 or 2 — th axilla

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Opuntia vestita

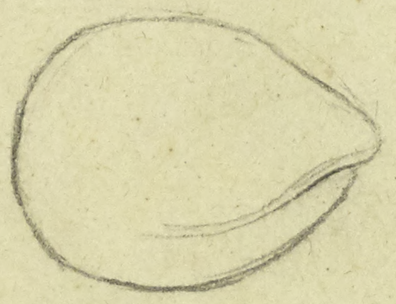
Jan 25 1875

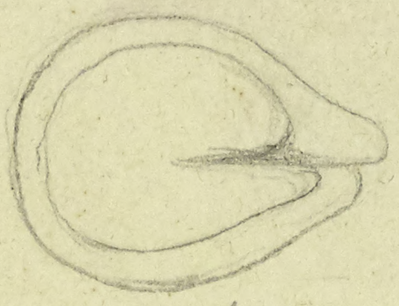
Hort Thuret 1869

from Chili

no albumen

x 4





section

front view

embryo with
3 cotyledons
seen in all 3 seeds examined!

albumen very small,
one side.

section of
embryo

2 cotyledons
contrariae

seen once

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Op. floccosa Salm. is distinguished from all others by
the ovate obtuse leaves [fol. crassissime ellipsoideum
erectum Salm p. 248 Ver. Bolivia

Hort Dyck Jan 1857

Op. vestita Salm. on the contrary has long acute
tubulate leaves [fol. elongatum obtusum erecto-
patulum Salm p. 247 Bolivia

Op. cylindrica has short tubulate leaves

Prairie below Hart Dyck June 1857

Op. tuniata laevior seems to be Greggs plant from
San Louis Potosi which for a time I had
named O. sphaerotele.

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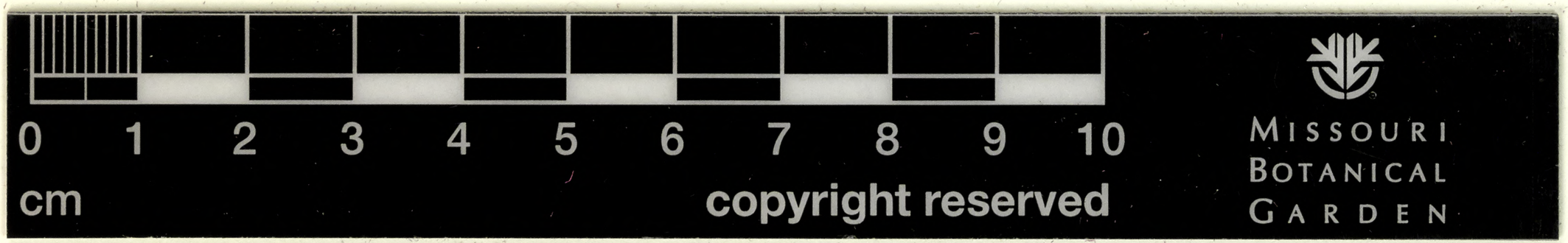
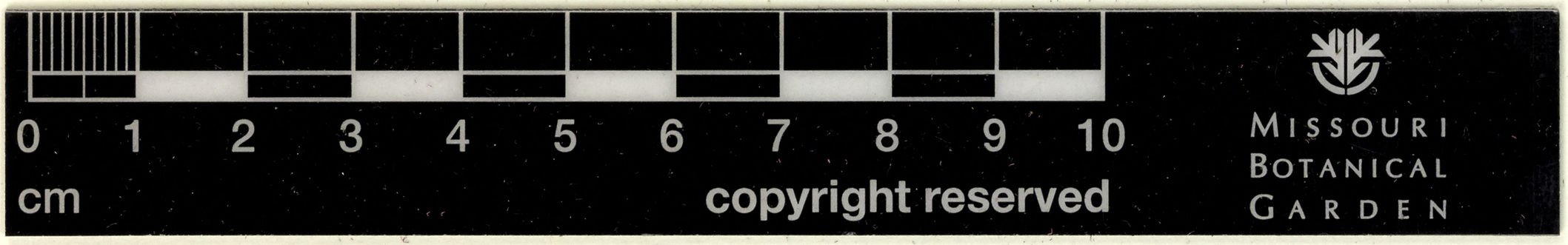
Op. dejecta is the long narrow pointed plant
but the one figured by



O. pulverulenta has the smallest leaves of this group — (except O. Stapelia and O. lunata)

S S.



a Nopalea ;
Ph Guatemala ; almost teneta
Hort Dyck Jan 1857
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2822
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Hort Cels Paris March 18 1869

Opuntia floccosa is the large

O. vestita the smaller (fruit + Artichoke)

plant, both formerly mixed up, under

the name of O. involuta.

O. floccosa has leaves which persist

several months.

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